



03-29-05

J FW

PATENT  
Customer No. 22,852  
Attorney Docket No. 08702.0068-01000

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Zhang et al. ) Group Art Unit: 1615  
Application No.: 10/779,638 ) Examiner: Not Yet Assigned  
Filed: February 18, 2004 )  
For: METHODS AND COMPOSITIONS ) Confirmation No.: 9082  
FOR HEALING AND REPAIR OF )  
ARTICULAR CARTILAGE )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached.

Copies of the U.S. patent publications are not enclosed.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

The following is a concise statement of relevance of the non-English language documents.

1. JP63181770 discloses compositions comprising artificial bone cured and formed by mixing calcium triphosphate, acid, protein, and water.
2. JP5277174 discloses methods for producing calcium phosphate and gelation bioimplantation materials.
3. JP51-0233901A discloses bioimplantable compositions comprising calcium phosphates, carboxymethyl ketene, collagen, and gelatin.

Applicants include these references because they were cited in other BMP applications assigned to Wyeth, Applicants' assignee. Applicants have not considered or characterized these references, but are simply submitting them for the Examiner's consideration.

Applicants will continue to submit all documents that are material to patentability as they become aware of them.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicant determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

PATENT  
Customer No. 22,852  
Attorney Docket No. 08702.0068-01000

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: 3/28/05

By: Elizabeth McNamee  
Elizabeth E. McNamee  
Reg. No. 54,696

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

<i>1013</i>	<i>Sheet</i>	<i>1</i>	<i>of</i>	<i>18</i>	<i>Attorney Docket Number</i>	<i>08702.0068-01000</i>
<i>O P E R A T I O N S</i>	<i>J C 'S</i>					
<i>MAR 2 8 2003</i>						
<i>U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS</i>						
Examiner Initials	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		2,465,357	29 Mar 1949	Correll et al.		
		3,955,719	11 May 1976	Pheulpin		
		4,191,747 A	04 Mar 1980	Scheicher		
		4,294,753	13 Oct 1981	Urist		
		4,394,370	19 July 1983	Jeffries		
		4,399,216	16 Aug 1983	Axel et al.		
		4,419,446	06 Dec 1986	Howley et al.		
		4,434,094	28 Feb 1984	Seyedin et al.		
		4,441,915	10 Apr 1984	Arndt et al.		
		4,455,256	19 Jun 1984	Urist		
		4,468,464	28 Aug 1984	Cohen et al.		
		4,472,840	25 Sept 1984	Jefferies		
		4,553,542	19 Nov 1985	Schenk et al.		
		4,563,350	07 Jan 1986	Nathan et al.		
		4,596,574	24 June 1986	Urist		
		4,608,199	26 Aug 1986	Caplan et al.		
		4,619,989	28 Oct 1986	Urist		
		4,627,982	09 Dec 1986	Seyedin et al.		
		4,642,120	10 Feb 1987	Nevo et al.		
		4,662,884	05 May 1987	Stenaas		
		4,681,763	21 Jul 1987	Nathanson		
		4,703,008	27 Oct 1987	Lin		
		4,727,028	23 Feb 1988	Santerre et al.		
		4,737,578	12 Apr 1988	Evans		
		4,758,233	19 Jul 1988	Phillips et al.		
		4,761,471	2 Aug 1988	Urist		
		4,766,067	23 Aug 1988	Biswas et al.		
		4,767,628	30 Aug 1988	Hutchinson		
		4,769,328	06 Sept 1988	Murray et al.		
		4,774,228	27 Sept 1988	Seyedin et al.		
		4,774,322	27 Sept 1988	Seyedin et al.		
		4,784,055	15 Nov 1988	Langen et al.		

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

*Complete if Known*

<i>Application Number</i>	10/779,638
<i>Filing Date</i>	February 18, 2004
<i>First Named Inventor</i>	Zhang
<i>Art Unit</i>	1615
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	08702.0068-01000

Sheet

2

of

18

<b>U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS</b>			
	4,789,732	06 Dec 1988	Urist
	4,795,804	30 Jan 1989	Urist
	4,798,885	17 Jan 1989	Mason
	4,804,744	14 Feb 1989	Sen
	4,810,691	07 Mar 1989	Seyedin
	4,828,990	09 May 1998	Naoki et al.
	4,843,063	27 Jun 1989	Seyedin
	4,851,521	25 Jul 1989	Della Valle et al.
	4,868,161	19 Sept 1989	Roberts
	4,877,864	31 Oct 1989	Wang et al.
	4,886,747	12 Dec 1989	Derynck
	4,908,204	13 Mar 1990	Robinson et al.
	4,920,962	1 May 1990	Proulx
	4,923,805	8 May 1990	Reddy et al.
	4,955,892	11 Sept 1990	Daniloff et al.
	4,963,146	16 Oct 1990	Li
	4,968,590	06 Nov 1990	Kuberasampath et al.
	4,992,274	12 Feb 1991	Robinson et al.
	5,011,486	30 Apr 1991	Aebischer et al.
	5,011,691	30 Apr 1991	Oppermann
	5,013,649	07 May 1991	Wang et al.
	5,019,087	28 May 1991	Nichols
	5,024,841	18 Jun 1991	Chu et al.
	5,026,381	25 Jun 1991	Li
	5,041,538	20 Aug 1991	Ling et al.
	5,071,834	10 Dec 1991	Burton et al.
	5,089,396	18 Feb 1992	Mason et al.
	5,102,807	07 Apr 1992	Burger et al.
	5,106,626	21 Apr 1992	Parsons et al.
	5,106,748	21 Apr 1992	Wozney et al.
	5,108,753	28 Apr 1992	Kuberasampath
	5,108,922	28 Apr 1992	Wang et al.
	5,116,738	26 May 1992	Wang et al.
	5,118,667	2 June 1992	Adams et al.
	5,124,316	23 Jun 1992	Antoniades et al
	5,141,905	25 Aug 1992	Rosen et al.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

				<i>Complete if Known</i>
<i>Application Number</i>	10/779,638			
<i>Filing Date</i>	February 18, 2004			
<i>First Named Inventor</i>	Zhang			
<i>Art Unit</i>	1615			
<i>Examiner Name</i>	Not yet assigned			
<i>Attorney Docket Number</i>	08702.0068-01000			

Sheet 3 of 18

<b>U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS</b>				
	5,147,399	15 Sept 1992	Dellon et al.	
	5,166,058	24 Nov 1992	Wang et al.	
	5,166,190	24 Nov 1992	Mather et al.	
	5,166,322	24 Nov 1992	Shaw et al.	
	5,168,050	01 Dec 1992	Hammonds	
	5,171,579	15 Dec 1992	Ron et al.	
	5,187,076	16 Feb 1993	Wozney et al.	
	5,187,263	16 Feb 1993	Murray et al.	
	5,202,120	13 Apr 1993	Silver et al.	
	5,206,028	27 Apr 1993	Li	
	5,208,219	04 May 1993	Ogawa et al.	
	5,215,893	01 Jun 1993	Mason et al.	
	5,216,126	01 Jun 1993	Cox et al.	
	5,217,867	08 Jun 1993	Evans et al.	
	5,218,090	08 Jun 1993	Connors	
	5,229,495	20 July 1993	Ichijo et al.	
	5,256,418	26 Oct 1993	Kemp et al.	
	5,258,494	02 Nov 1993	Oppermann et al.	
	5,266,683	30 Nov 1993	Oppermann et al.	
	5,278,145	11 Jan 1994	Keller et al.	
	5,284,756	08 Feb 1994	Grinna et al.	
	5,286,654	15 Feb 1994	Cox et al.	
	5,290,271	01 Mar 1994	Jernberg	
	5,292,802	08 Mar 1994	Rhee et al.	
	5,306,307	26 Apr 1994	Senter et al.	
	5,308,889	03 May 1994	Rhee et al.	
	5,324,519	28 Jun 1994	Dunn et al.	
	5,324,775	28 Jun 1994	Rhee et al.	
	5,328,955	12 Jul 1994	Rhee et al.	
	5,352,715	4 Oct 1997	McMullin et al.	
	5,354,557	11 Oct 1994	Oppermann et al.	
	5,356,629	18 Oct 1994	Sander et al.	
	5,364,839	15 Nov 1994	Gerhart et al.	
	5,366,875	22 Nov 1994	Wozney et al.	
	5,399,346	21 Mar 1995	Anderson et al.	
	5,399,677	21 Mar 1995	Wolfman et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

				<i>Complete if Known</i>
<i>Application Number</i>	10/779,638			
<i>Filing Date</i>	February 18, 2004			
<i>First Named Inventor</i>	Zhang			
<i>Art Unit</i>	1615			
<i>Examiner Name</i>	Not yet assigned			
<i>Attorney Docket Number</i>	08702.0068-01000			

Sheet

4

of

18

<b>U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS</b>				
	5,405,390	11 Apr 1995	O'Leary et al.	
	5,411,941	02 May 1995	Grinna et al.	
	5,413,989	09 May 1995	Ogawa et al.	
	5,420,243	30 May 1995	Ogawa et al.	
	5,422,340	06 Jun 1995	Ammann et al.	
	5,447,725	05 Sept 1995	Damiani et al.	
	5,455,041	03 Oct 1995	Genco et al.	
	5,455,329	03 Oct 1995	Wingender	
	5,457,047	10 Oct 1995	Wingender	
	5,457,092	10 Oct 1995	Schulter	
	5,459,047	17 Oct 1995	Wozney et al.	
	5,464,440	07 Nov 1995	Johannsson	
	5,508,263	16 Apr 1996	Grinna et al.	
	5,516,654	14 May 1996	Israel	
	5,520,923	28 May 1996	Tjia et al.	
	5,538,892	23 Jul 1996	Donahoe et al.	
	5,543,394	06 Aug 1996	Wozney et al.	
	5,545,616	13 Aug 1996	Woddruff	
	5,547,854	20 Aug 1996	Donahoe et al.	
	5,556,767	17 Sept 1996	Rosen et al.	
	5,618,924	08 Apr 1997	Wang et al.	
	5,631,142	20 May 1997	Wang et al.	
	5,635,372	3 Jun 1997	Celeste et al.	
	5,635,373	03 Jun 1997	Wozney et al.	
	5,637,480	10 Jun 1997	Celeste et al.	
	5,639,638	17 Jun 1997	Wozney et al.	
	5,645,592	08 Jul 1997	Nicolais et al.	
	5,648,467	15 July 1997	Kobayashi et al.	
	5,650,494	22 Jul 1997	Cerletti et al.	
	5,658,882	19 Aug 1997	Celeste et al.	
	5,661,007	26 Aug 1997	Wozney et al.	
	5,674,292	07 Oct 1997	Tucker et al.	
	5,688,678	8 Nov 1997	Hewick et al.	
	5,693,779	02 Dec 1991	Moos, Jr. et al.	
	5,700,664	23 Dec 1997	Bennett	
	5,700,774	23 Dec 1997	Hattersley et al	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

				<i>Complete if Known</i>
<i>Application Number</i>	10/779,638			
<i>Filing Date</i>	February 18, 2004			
<i>First Named Inventor</i>	Zhang			
<i>Art Unit</i>	1615			
<i>Examiner Name</i>	Not yet assigned			
<i>Attorney Docket Number</i>	08702.0068-01000			

Sheet

5

of

18

<b>U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS</b>			
	5,700,911	23 Dec 1997	Wozney et al.
	5,703,043	30 Dec 1997	Celeste et al.
	5,728,679	17 Mar 1998	Celeste et al.
	5,750,651	12 May 1998	Opperman et al.
	5,752,974	19 May 1998	Rhee et al.
	5,756,457	25 May 1998	Wang et al.
	5,786,217	28 Jul 1998	Tubo et al.
	5,813,411	29 Sept 1998	Van Bladel et al.
	5,827,733	27 Oct 1998	Lee et al.
	5,846,931	08 Dec 1998	Hattersley et al.
	5,849,880	15 Dec 1998	Wozney et al.
	5,866,364	02 Feb 1999	Israel et al.
	5,932,216	03 Aug 1999	Celeste et al.
	5,935,594	10 Aug 1999	Ringeisen et al.
	5,936,067	10 Aug 1999	Graham et al.
	5,939,323	17 Aug 1999	Valentini et al.
	5,939,388	17 Aug 1999	Rosen et al.
	5,965,403	12 Oct 1999	Celeste et al.
	5,972,368	26 Oct 1996	Mackay
	5,986,058	16 Nov 1999	Lee et al.
	6,001,352	14 Dec 1999	Boyan et al.
	6,004,937	21 Dec 1999	Wood et al.
	6,027,919	22 Feb 2000	Celeste et al.
	6,034,061	06 Mar 2000	Rosen et al.
	6,034,062	07 Mar 2000	Thies et al.
	6,132,214	17 Oct 2000	Sohonen et al.
	6,150,328	21 Nov 2000	Wang et al.
	6,177,406	23 Jan 2001	Wang et al.
	6,187,742	13 Feb 2001	Wozney et al.
	6,190,880	20 Feb 2001	Israel et al.
	6,207,813	26 Mar 2001	Wozney et al.
	6,245,889	12 Jun 2001	Wang et al.
	6,284,872	04 Sep 2001	Celeste et al.
	6,287,816	11 Sep 2001	Rosen et al.
	6,291,206	18 Sep 2001	Wozney et al.
	6,331,612	18 Dec 2001	Celeste et al.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	6	of	18	Attorney Docket Number	Complete if Known
				08702.0068-01000	Application Number
					Filing Date
					First Named Inventor
					Art Unit
					Examiner Name

10/779,638

February 18, 2004

Zhang

1615

Not yet assigned

08702.0068-01000

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

	6,340,668	22 Jan 2002	Celeste et al.	
	6,432,919	13 Aug 2002	Wang et al.	
	6,437,111	20 Aug 2002	Wozney et al.	
	6,558,925	06 May 2003	Graham et al.	
	6,586,388	01 Jul 2003	Oppermann et al.	
	6,593,109	15 Jul 2003	Israel et al.	
	6,610,513	26 Aug 2003	Wozney et al.	
	6,613,744	02 Sep 2003	Wozney et al.	
	6,623,934	23 Sep 2003	Celeste et al.	
	6,699,471	02 Mar 2004	Radici et al.	
	6,719,968	13 Apr 2004	Celeste et al.	

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0 052 510	26 May 1982			
		EP 0 058 481	25 Aug 1982			
		EP 0 121 976	17 Oct 1984			
		EP 0 128 041	12 Dec 1984			
		EP 0 148 155	10 Jul 1985			
		EP 0 155,476	25 Sep 1985			
		EP 0 169 016	01/1986			
		EP 0 177 343	09 Apr 1986			
		EP 0 212 474	04 Mar 1987			
		EP 0 222 491	02 Oct 1986			
		EP 0 241 809	21 Oct 1987			
		EP 0 313 578	28 Aug 1996			
		EP 0 329 239	23 Aug 1989			
		EP 0 336 760	06 Apr 1989			
		EP 0 394 418	13 Oct 1990			
		EP 0 401 055	05 Dec 1990u			
		EP 0 409 472	23 Jan 1991			
		EP 0 416 578	13 Mar 1991			

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

7

of

18

***Complete if Known***

Application Number	10/779,638
Filing Date	February 18, 2004
First Named Inventor	Zhang
Art Unit	1615
Examiner Name	Not yet assigned
Attorney Docket Number	08702.0068-01000

**FOREIGN PATENT DOCUMENTS**

		EP 0 429 570	05 Jun 1991			
		EP 0 433 225	19 Jun 1991			
		EP 0 512 844	11 Nov 1992			
		EP 0 530 804	10 Mar 1993			
		EP 0 531 448	17 Nov 1994			
		EP 0 536 186	21 Nov 2001			
		EP 0 592 562	07 Jan 1999			
		EP 0 626 451	30 Nov 1994			
		EP 0 688 869	27 Dec 1995			
		EP 0 741 187	06 Nov 1996			
		EP 0 831 884	21 May 1996			
		EP 1 061 940	24 Feb 1999			
		WO 84/01106	29 Mar 1984			
		WO 85/04173	26 Sep 1985			
		WO 86/00525	30 Jan 1986			
		WO 86/00639	30 Jan 1986			
		WO 87/00528	29 Jan 1987			
		WO 88/00205	14 Jan 1988			
		WO 89/09787	19 Oct 1989			
		WO 89/09788	19 Oct 1989			
		WO 89/10133	02 Nov 1989			
		WO 89/10409	02 Nov 1989			
		WO 90/03733	19 Apr 1990			
		WO 90/11366	04 Oct 1990			
		WO 91/02744	07 Mar 1991			
		WO 91/04274	04 Apr 1991			
		WO 91/05802	02 May 1991			
		WO 91/10444	25 Jul 1991			
		WO 91/17777	28 Nov 1991			
		WO 91/18047	28 Nov 1991			
		WO 91/18098	28 Nov 1991			
		WO 92/05198	02 Apr 1992			
		WO 92/05199	02 Apr 1992			
		WO 92/07004	30 Apr 1992			
		WO 92/07073	30 Apr 1992			
		WO 92/09697	06 Nov 1992			

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

				<i>Complete if Known</i>	
<i>Application Number</i>	10/779,638				
<i>Filing Date</i>	February 18, 2004				
<i>First Named Inventor</i>	Zhang				
<i>Art Unit</i>	1615				
<i>Examiner Name</i>	Not yet assigned				
<i>Attorney Docket Number</i>	08702.0068-01000				

Sheet

8

of

18

**FOREIGN PATENT DOCUMENTS**

	WO 92/14481	03 Sept 1992			
	WO 92/15323	17 Sep 1992			
	WO 92/20793	26 Nov 1992			
	WO 92/22319	23 Dec 1992			
	WO 93/00049	07 Jan 1993			
	WO 93/00050	07 Jan 1993			
	WO 93/00432	07 Jan 1993			
	WO 93/04692	18 Mar 1993			
	WO 93/05751	01 Apr 1993			
	WO 93/06872	15 Apr 1993			
	WO 93/09228	13 May 1993			
	WO 93/09229	13 May 1993			
	WO 93/09802	27 May 1993			
	WO 93/13206	08 Jul 1993			
	WO 93/16099	19 Aug 1993			
	WO 93/19177	30 Sep 1993			
	WO 93/20858	28 Oct 1993			
	WO 94/01557	20 Jan 1994			
	WO 94/03200	17 Feb 1994			
	WO 94/06449	31 Mar 1994			
	WO 94/11502	26 May 1994			
	WO 94/15949	21 Jul 1994			
	WO 94/15965	21 Jul 1994			
	WO 94/15966	21 Jul 1994			
	WO 94/21681	29 Sep 1994			
	WO 94/24285	27 Oct 1994			
	WO 94/26892	24 Nov 1994			
	WO 94/26893	24 Nov 1994			
	WO 95/01801	19 Jan 1995			
	WO 95/01802	19 Jan 1995			
	WO 95/05846	02 Mar 1995			
	WO 95/07982	23 Mar 1995			
	WO 95/10539	20 Apr 1995			
	WO 95/10611	20 Apr 1995			
	WO 95/12664	11 May 1995			
	WO 95/15966	15 Jun 1995			

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

9

of

18

**Complete if Known**

<i>Application Number</i>	10/779,638
<i>Filing Date</i>	February 18, 2004
<i>First Named Inventor</i>	Zhang
<i>Art Unit</i>	1615
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	08702.0068-01000

**FOREIGN PATENT DOCUMENTS**

WO 95/16035	15 Jun 1995			
WO 95/33830	14 Dec 1995			
WO 96/01845	25 Jan 1996			
WO 96/02559	1 Feb 1996			
WO 96/36710	21 Nov 1996			
WO 96/38570	05 Dec 1996			
WO 96/39170	12 Dec 1996			
WO 96/39203	12 Dec 1996			
WO 96/40883	19 Dec 1996			
WO 07/15321	01 May 1997			
WO 97/22308	26 Jun 1997			
WO 97/34626	25 Sept 1997			
WO 97/40137	30 Oct 1997			
WO 97/45532	04 Dec 1997			
WO 97/48275	24 Dec 1997			
WO 97/49412	31 Dec 1997			
WO 98/16641	23 Apr 1998			
WO 98/31788	23 Jul 1998			
WO 98/34951	13 Aug 1998			
WO 98/40113	17 Sep 1998			
WO 98/49296	5 Nov 1998			
WO 99/01159	14 Jan 1999			
WO 99/24070	20 May 1999			
WO 99/31120	24 Jun 1999			
WO 99/37320	29 Jul 1999			
WO 99/38543	05 Aug 1999			
WO 99/45949	16 Sep 1999			
WO 00/37124	29 Jun 2000			
WO 00/43781 A	27 Jul 2000			
PAJ 03-345189	20 Jul 1993		Patent Abstracts of Japan: Application	
<b>Non-English:</b> JP, 05-123390, A2	21 May 1993			
<b>Non-English:</b> JP, 05-277174, A2	26 Oct 1993			
<b>Non-English:</b> JP, 63-181770, A	1988 (63)			

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

10

of

18

**Complete if Known**

<i>Application Number</i>	10/779,638
<i>Filing Date</i>	February 18, 2004
<i>First Named Inventor</i>	Zhang
<i>Art Unit</i>	1615
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	08702.0068-01000

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
		Aiba et al., <i>Blood</i> , 90:3923-3030 (1997)	
		Alberts et al., <i>Molecular Biology of the Cell</i> , Third Ed., Garland Publishing, Inc., New York, NY, pp. 1142 (1983)	
		Amizuka et al., <i>J. Cell Biol.</i> , 126:1611-1623 (1994)	
		Attisano et al., <i>Cell</i> , 68:97-108 (1992)	
		Baird et al., <i>Biochem. Biophys. Res. Comm.</i> , 138:476-482 (1986)	
		Barres. B.A. et al., <i>Development</i> , 118:283-295 (1993)	
		Basler, K. et al., <i>Cell</i> , 73:687-702 (1993)	
		Beck et al., <i>Growth Factors</i> , 2:273-282 (1990)	
		Belo et al., <i>Mech. Devel.</i> , 68:45-57 (1997)	
		Bendig, <i>Genetic Engineering</i> , 7:91-127 (1988)	
		Biben et al., <i>Develop. Biol.</i> , 194:135-151 (1998)	
		Bignami et al., <i>Brain Res.</i> , 43:429-435 (1972)	
		Bignami, A. et al., <i>Plasticity and Regeneration of the Nervous System</i> , 197-206 (1991)	
		Bolton et al., <i>Biochem J.</i> , 133:529 (1973)	
		Border et al., <i>J. Clin. Invest.</i> , 90:1-7 (1992)	
		Bouwmeester et al., <i>Nature</i> , 382:595-601 (1996)	
		Bowen-Pope et al., <i>J. Biol. Chem.</i> , 237:5161 (1982)	
		Bowie et al., <i>Science</i> , 247:1306-1310 (1990)	
		Brown et al., <i>J. Immunol.</i> , 142:679 (1989)	
		Broxmeyer et al., <i>PNAS</i> , 85:9052 (1988)	
		Bruder et al., <i>J. Cell Biochem.</i> , 56:283-294 (1994)	
		Burt, D.W., <i>BBRC</i> , 184:590-595 (1992)	
		Campoccia et al., <i>Biomaterials</i> , 19:2101-27 (1998)	
		Caplan, A., <i>Bone Repair and Regeneration</i> , 21:429-435 (1994)	
		Celeste et al., <i>J. Bone Mineral Res.</i> , 9:suppl. 5136 (1994)	
		Celeste et al., <i>PNAS</i> , 87:9843-9847 (1990)	
		Chang et al., <i>J. Biol. Chem.</i> , 269:28227-28234 (1994)	
		Conlon et al., <i>Development</i> , 120:1919 (1994)	
		Conlon et al., <i>Development</i> , 111:969 (1991)	
		Collignon et al., <i>Nature</i> , 381:155 (1996)	
		Creighton, T.E., <i>Proteins: Structure and Molecular Principles</i> , W.H. Freeman and Co., New York (1983)	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

				<i>Complete if Known</i>
<i>Application Number</i>	10/779,638			
<i>Filing Date</i>	February 18, 2004			
<i>First Named Inventor</i>	Zhang			
<i>Art Unit</i>	1615			
<i>Examiner Name</i>	Not yet assigned			
<i>Attorney Docket Number</i>	08702.0068-01000			

Sheet

11

of

18

<b>NON PATENT LITERATURE DOCUMENTS</b>	
Cunningham et al., <i>PNAS</i> , 89:11740-11744 (1992)	
Dagert et al., <i>Gene</i> , 6:23 (1979)	
Dale et al., <i>EMBO J.</i> , 12:4471 (1993)	
D'Alessandro et al., <i>Growth Factors</i> , 11:53-69 (1994)	
D'Allesandro et al., <i>J. Bone Mineral Res.</i> , (6) Suppl: 1:S153 (1991)	
DeWulf et al., <i>Endocrinology</i> , 136:2652-2663 (1995)	
Dexter et al., <i>Nature</i> , 344:380 (1990)	
DiLeone et al., <i>Genetics</i> , 148:401-408 (1998)	
Doctor et al., <i>Dev. Biol.</i> , 151:591-605 (1992)	
Ducy et al., <i>Kidney Intl.</i> , 57:2207-2214 (2000)	
Dunn et al., <i>Cancer Cells</i> , 3:227-234 (1985)	
Ebner et al., <i>Science</i> , 260:1344-1348 (1993)	
Estevez et al., <i>Nature</i> , 365:644-649 (1993)	
Eto et al., <i>Biochem. Biophys. Res. Comm.</i> , 142:1095 (1987)	
Fainsod et al., <i>Mech. Dev.</i> , 1:39-50 (1997)	
Fallon et al., <i>J. Cell Biol.</i> , 100:198-207 (1985)	
Fenton et al., <i>Endocrinology</i> , 129:1762-1768 (1991)	
Finch et al., <i>PNAS</i> , 94:6770-6775 (1997)	
Frischchauf et al., <i>J. Mol. Biol.</i> , 170:827-842 (1983)	
Frommel et al., <i>J. Mol. Evol.</i> , 24:233-257 (1985)	
Gamer et al., <i>Develop. Biol.</i> , 208:222-232 (1999)	
Geisert et al., <i>Develop. Biol.</i> , 143:335-345 (1991)	
Gerhart et al., <i>Trans. Othrop. Res. Soc.</i> , 16:172 (1991)	
Gething et al., <i>Nature</i> , 293:620-625 (1981)	
Gitelman et al., <i>J. Cell. Biol.</i> , 126:1595-1609 (1994)	
Goodman, R., <i>Methods for Serum-Free Culture of Neuronal and Lymphoid Cells</i> , 23-36 (1984)	
Gough et al., <i>EMBO J.</i> , 4:645-653 (1985)	
Graham et al., <i>EMBO</i> , 15:6505-6515 (1996)	
Graham et al., <i>Growth Factors</i> , 7:151-160 (1992)	
Graham et al., <i>J. Biol. Chem.</i> , 269:4974-4978 (1994)	
Graham et al., <i>Nature</i> , 344:442 (1990)	
Guigon et al., <i>Chem. Abstracts</i> , 96:36, Abstract No. 115633h (1982)	
Guigon et al., <i>Cancer Res.</i> , 42:638 (1982)	
Hammonds et al., <i>Mol. Endocrin.</i> , 5:149-155 (1991)	
Harrison et al., <i>Exp. Cell Res.</i> , 92:340-345 (1991)	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

12

of

18

**Complete if Known**

<i>Application Number</i>	10/779,638
<i>Filing Date</i>	February 18, 2004
<i>First Named Inventor</i>	Zhang
<i>Art Unit</i>	1615
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	08702.0068-01000

**NON PATENT LITERATURE DOCUMENTS**

	Hasimoto et al., <i>J. Biol. Chem.</i> , 267:7203-7206 (1992)
	He et al., <i>Develop. Dynamics</i> , 196:133-142 (1993)
	Hebda et al., <i>J. Invest. Dermatol.</i> , 91:440-445 (1988)
	Hefti et al., <i>J. Neurobiol.</i> , 25:1418-1435 (1994)
	Hemmati-Brinvanlou et al., <i>Nature</i> , 359:609-614 (1992)
	Hoang et al., <i>J. Biol. Chem.</i> , 271:26131-26137 (1996)
	Hollnagel et al., <i>Calcified Tissue Int'l</i> , 56:430 (1995)
	Hunkapiller et al., <i>Meth. Enzymol.</i> , 91:399-413 (1983)
	Inouye et al., <i>Mol. Cell. Endocrinol.</i> , 90:1 (1992)
	Iwasaki, <i>J. Biol. Chem.</i> , 271:17360-5 (1996)
	Janowska-Wieczorek et al., <i>Biol. Abstracts, Reviews-Reports-Meetings</i> , 33:61402 (1987)
.	Jonhagen et al., <i>Dement. Cogn. Disord.</i> , 9:246-257 (1998)
.	Joyce et al., <i>J. Cell Biochem.</i> , Suppl.17E:136, Abstract R504 (1993)
.	Kalyani et al., <i>J. Neuroscience</i> , 18:7856-7869 (1998)
.	Karaplis et al., <i>Mol. Endocrin.</i> , 4:441-446 (1990)
.	Karaplis et al., <i>Genes &amp; Development</i> , 8:277-289 (1994)
.	Katagiri et al., <i>J. Cell Biol.</i> , 127:1755-1766 (1994)
.	Kaufman et al., <i>Mol. Cell Biol.</i> , 2:1304-1319 (1982)
.	Kaufman et al., <i>Mol. Cell Biol.</i> , 5:1750-1759 (1985)
.	Kaufman et al., <i>J. Mol. Biol.</i> , 159:601-629 (1982)
.	Kaufman et al., <i>PNAS</i> , 82:689-693 (1985)
.	Kingsley et al., <i>Cell</i> , 71:399-410 (1992)
.	Kingsley et al., <i>Genes &amp; Development</i> , 8:133-146 (1994)
.	Klein-Nulend et al., <i>Tissue Engineering</i> , 4:305-313 (1998)
.	Klein et al., <i>Brain Res.</i> 875:144-151 (2000)
.	Kliot et al., <i>Exper. Neur.</i> , 109:57-69 (1990)
.	Koenig et al., <i>Mol. Cell Biol.</i> , 14:5961-5974 (1994)
.	Koopman et al., <i>JBC</i> , 273:10103-10109 (1997)
.	Krueger, G.G., <i>N. E. J. Med.</i> , 328:1845-1846 (1993)
.	LaPan et al., Program and Abstract, 13 <sup>th</sup> Ann. Mtg of the AM Society of Bone and Min. Res., 8/24-28, p. 5153, Abstract No. 280, Mary Ann Liebert, Inc. NY (1991)
.	Lathe, J., <i>J. Mol. Biol.</i> , 183:1-12 (1985)
.	Lawn et al., <i>Cell</i> , 15:1157-1174 (1978)
.	Lefer et al., <i>PNAS</i> , 90:1018-22 (1993)
.	LeMaire et al., <i>Trends in Genetics</i> , 12:525-531 (1996)
.	Leslie M., <i>Nurse Practitioner</i> , 24:38, 41-8 (1999)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

13

of

18

**Complete if Known**

<i>Application Number</i>	10/779,638
<i>Filing Date</i>	February 18, 2004
<i>First Named Inventor</i>	Zhang
<i>Art Unit</i>	1615
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	08702.0068-01000

**NON PATENT LITERATURE DOCUMENTS**

Lewin, <i>Science</i> , 237:1570 (1987)
Leyns et al., <i>Cell</i> , 88:747-756 (1997)
Lin et al., <i>Cell</i> , 68:775-785 (1992)
Lin et al., <i>Science</i> , 260:1130-1132 (1993)
Lipes et al., <i>PNAS</i> , 85:9704 (1988)
Lodish et al., <i>Mol. Cell Biol.</i> , 3 <sup>rd</sup> Ed., W.H. Freeman & Co., p266 (1995)
Lopez-Coviella et al., <i>J. Physiol. Paris.</i> , 92:460-461 (1998)
Lopez-Coviella et al., <i>Science</i> , 289:313-316 (2000)
Lopez-Coviella et al., <i>Xth International Symposium on Cholinergic Mechanisms</i> (1998)
Lopez-Coviella et al., <i>Soc. Neurosci. Abstracts</i> , 25:517 (1999)
Lord et al., <i>Brit. J. Haematol.</i> , 34:441 (1976)
Lorimore et al., <i>Leuk. Res.</i> , 14:481-489 (1990)
Lowe et al., <i>Nature</i> , 381:158 (1996)
Lucas et al., <i>Differentiation</i> , 37:47-52 (1988)
Luthman et al., <i>Nucl. Acids Res.</i> , 11:1295-1308 (1983)
Luyten et al., <i>J. Biol. Chem.</i> , 264:13377-13380 (1989)
Luyten et al., <i>Exp. Cell. Res.</i> , 210(2):224-229 (1994)
Lyons et al., <i>PNAS</i> , 86:4554-4558 (1989)
Mangin et al., <i>PNAS</i> , 85:597-601 (1988)
Mangin et al., <i>Gene</i> , 95:195-202 (1990)
Maniatis et al., <i>Mol. Cloning, A Laboratory Manual</i> , Cold Spring Harbor Laboratory, CSH, N.Y.:310-323, 387-389 & 404-433 (1982)
Mantel et al., <i>PNAS</i> , 90:2232-2236 (1993)
Mansour et al., <i>J. Neurosci. Res.</i> , 25:300-377 (1990)
Marieb, E.N., <i>In Human Anatomy and Physiology</i> , 2 <sup>nd</sup> Ed., The Benjamin/Cummings Publishing Co., pp. 373-375 (1992)
Mark, <i>J. Cell. Biol.</i> , 130:701-10 (1995)
Marra et al., <i>EMBL Database</i> , Accession No. AA120122 (1996)
Martin et al., <i>Crit. Rev. Biochem. Mol. Biol.</i> , 26:377-395 (1991)
Mason et al., <i>Nature</i> , 318:659-663 (1985)
Massague et al., <i>Trends in Cell Biol.</i> , 4:172-178 (1994)
Massague et al., <i>Cell</i> , 69:1067-1070 (1992)
Massague et al., <i>Cell</i> , 49:437-438 (1987)
Mathews et al., <i>Cell</i> , 65:973-982 (1991)
Matsuzaki et al., <i>J. Biol. Chem.</i> , 268:12719-12723 (1993)
Matzuk et al., <i>Nature</i> , 360:313 (1992)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

14

of

18

**Complete if Known**

<i>Application Number</i>	10/779,638
<i>Filing Date</i>	February 18, 2004
<i>First Named Inventor</i>	Zhang
<i>Art Unit</i>	1615
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	08702.0068-01000

**NON PATENT LITERATURE DOCUMENTS**

.	McConahey et al., <i>Int. Arch. Allergy</i> , 29:185-189 (1966)
.	McDonald et al., <i>Cell</i> , 73:421-424 (1993)
.	Miller et al., <i>J. Immunol.</i> , 143:2907 (1989)
.	Miller et al., <i>Genetic Engineering</i> , 8:277-298 (1986)
.	Miyazono et al., <i>Gen Bank Record No. Z23154</i> (1993)
.	Morii et al., <i>J. Biol. Chem.</i> , 258:12749-12752 (1983)
.	Mullins et al., <i>Nature</i> , 303:856-858 (1984)
.	Nabeshima et al., <i>Alz Dis. And Assoc. Disord.</i> 14(Suppl. 1):S39-S46 (2000)
.	Nakamura et al., <i>J. Biol. Chem.</i> , 267:18924-18928 (1992)
.	Nakao et al., <i>Mol. Cell Biol.</i> , 10:3646-3658 (1990)
.	Nakatani T., <i>Jap. J. Clin. Med.</i> , 52:824-33 (1994)
.	Nathan et al., <i>J. Cell Biol.</i> , 113:981-986 (1991)
.	Neuhaus et al., <i>Mech. Dev.</i> , 80:181-184 (1999)
.	Nirschl, R., <i>American Orthopaedic Society for Sports Medicine</i> , Leadbetter, W. et al., eds, Ch. 13:577-585 (1989)
.	Ngo et al., Merz et al., eds., <i>Brickhauser, Boston</i> , Springer Verlag, pp 433-434 & 492-495 (1994)
.	Noble et al., <i>J. Neuroscience</i> , 4:1892-1903 (1984)
.	Obaru et al., <i>J. Biochem.</i> , 99:885 (1986)
.	Ogawa et al., <i>J. Biol. Chem.</i> , 267:14233 (1992)
.	Ohura et al., <i>J. Biomed. Mat. Res.</i> , 30:193-200 (1996)
.	Ohura et al., <i>J. Biomed. Mat. Res.</i> , 44: 168-175 (1999)
.	Okayama et al., <i>Mol. Cell Biol.</i> , 2:161-170 (1982)
.	Ozkaynak et al., <i>EMBO Journal</i> , 9:2085-2093 (1990)
.	Padgett et al., <i>Nature</i> , 325:81-84 (1987)
.	Paralkar, et al., <i>J. Cell Biol.</i> , 119:1721-1728 (1992)
.	Park et al., <i>J. Biol. Chem.</i> , 271:8161-9 (1996)
.	Patel et al., Pharmacotherapy of Cognitive Impairment in Alzheimer's Disease: A Review:81-95 (1992)
.	Perides et al., <i>J. Biol. Chem.</i> , 269:765-770 (1994)
.	Perides et al., <i>PNAS</i> , 89:10326-10330 (1992)
.	Peyron, J.G. <i>J. Rheumatol. Suppl.</i> , 27:2-3 (1991)
.	Pierce et al., <i>J. Clin. Investig.</i> , 96:1336-50 (1995)
.	Pollock, J. <i>Biol. Chem.</i> , 271:8008-14 (1996)
.	Pragnell et al., <i>Blood</i> , 72:196-201 (1988)
.	2001-2002 Progress Report on Alzheimer's Disease, <i>National Institute on Aging; NIH</i> :1-51 (2002)
.	Rabin et al., <i>Mol. Cell. Biol.</i> , 13:2203-2213 (1993)

**INFORMATION DISCLOSURE****STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	15	of	18	Attorney Docket Number	08702.0068-01000
-------	----	----	----	------------------------	------------------

**Complete if Known**

Application Number	10/779,638
Filing Date	February 18, 2004
First Named Inventor	Zhang
Art Unit	1615
Examiner Name	Not yet assigned

**NON PATENT LITERATURE DOCUMENTS**

Ralph et al., <i>Cancer Res.</i> , 37:546 (1977)
Ralph et al., <i>J. Immunol.</i> , 114:898 (1975)
Rattner et al., <i>PNAS</i> , 94:2859-2863 (1997)
Reddi, A. <i>JBJS</i> , 83-A:S1-1:S1-S6 (2001)
Reddi et al., <i>Osteoporosis, Academic Press</i> , pp. 281-287 (1996)
Reddi et al., <i>PNAS</i> , 69:1601 (1972)
Reeck, <i>Cell</i> , 50:667 (1987)
Roberts et al., <i>PNAS</i> , 83:4167-4171 (1986)
Robertson et al., <i>Biochem. Biophys. Res. Commun.</i> , 149:744-749 (1987)
Rodeo et al., <i>Orthopaedic Res. Soc.</i> , 41 <sup>st</sup> Annual Mtg, Orlando, Florida, p288 (1995)
Rodeo, et al., <i>J. Bone Joint Surg.</i> , 75-A:1795-1803 (1993)
Rosen et al., <i>Trends in Genetics</i> , 8:97-102 (1992)
Rosen et al., <i>Connect Tissue Res.</i> , 20:313-9 (1989)
Rubin et al., <i>Science</i> , 287:2204-2215 (2000)
Rudinger, <i>Peptide Hormones</i> , Parsons (ed.), U Park Press, Baltimore:1-7 (1976)
Sakai et al., <i>PNAS</i> , 87:8378-8382 (1990)
Salic et al., <i>Development</i> , 124:4739-4748 (1997)
Sambrook et al., <i>Mol. Cloning: A Laboratory Manual</i> , 2 <sup>nd</sup> Ed., vols. 1, 2 and 3, Cold Spring Harbor Laboratory Press: Cold Spring Harbor, New York, USA (1989)
Sampath et al., <i>J. Biol Chem.</i> , 267:20352-20362 (1992)
Sampath et al., <i>J. Biol Chem.</i> , 265:13198-13205 (1990)
Sampath et al., <i>PNAS</i> , 84:7109-7113 (1987)
Sampath et al., <i>PNAS</i> , 80:6591-6595 (1983)
Sampath et al., <i>Exp. Cell. Res.</i> , 143:460-64 (1982)
Sato et al., <i>Clin. Orthopaedics Related Res.</i> , 183:180-187 (1984)
Saukkonen et al., <i>J. Exp. Med.</i> , 171:439 (1990)
Schubert et al., <i>Nature</i> , 344:868-870 (1990)
Schulz et al., <i>Principles of Protein Structure</i> , Springer-Verlag New York, Inc., New York:14 -16 (1979)
Shah, et al., <i>J. Cell Sci.</i> , 108:985-1002 (1995)
Shimasaki et al., <i>PNAS</i> , 85:4218-4222 (1988)
Shipley et al., <i>Cancer Res.</i> , 46:2068-2071 (1986)
Shoda et al., <i>Growth Factors</i> , 8:165-172 (1993)
Smith et al., <i>Brain Res.</i> , 543:111-122 (1991)
Smith et al., <i>Dev. Biol.</i> , 138:377-390 (1990)
Smith et al., <i>J. Neurochem.</i> , 60:1453-1466 (1993)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

				<b>Complete if Known</b>
				Application Number 10/779,638
				Filing Date February 18, 2004
				First Named Inventor Zhang
				Art Unit 1615
				Examiner Name Not yet assigned
				Attorney Docket Number 08702.0068-01000

Sheet

16

of

18

<b>NON PATENT LITERATURE DOCUMENTS</b>	
	Sompayrac et al., <i>PNAS</i> , 78:7575-7578 (1981)
	Song et al., <i>Mol. Biol. Cell</i> , 5:384a (1994) <u>and</u> 34 <sup>th</sup> Ann. Mtg of the American Soc. for Cell Biol., San Francisco, CA (1994)
	Sporn et al., <i>Nature</i> , 332:217-219 (1988)
	Sporn et al., <i>Science</i> , 233:532-534 (1986)
	Storm et al., <i>Nature</i> , 368:639-642 (1994)
	Sugino et al., <i>J. Biol. Chem.</i> , 268:15579 (1993)
	Suggs et al., <i>PNAS</i> , 78:6613-6617 (1981)
	Sumitomo et al., <i>Biochem. Biophys. Acta.</i> , 208:1 (1995)
	Sumitomo et al., <i>DNA Sequence-J. DNA Sequence and Mapping</i> 3:297-302 (1993)
	Suzuki et al., <i>Proc Natl Acad Sci USA</i> 91:10255-59 (1994)
	Tabas et al., <i>Genomics</i> , 9:283-289 (1991)
	Takagi et al., <i>Clin. Orthopaed. Related Res.</i> , 171:224-231 (1982)
	Taniguchi et al., <i>PNAS</i> , 77:5230-5233 (1980)
	Tatusova et al., <i>FEMS Microbiol. Lett.</i> , 174:247-250 (1990)
	Ten Dijke et al., <i>J. Biol. Chem.</i> , 269:16985-16988 (1994)
	Ten Dijke et al., <i>EMBL Z22534</i> (April 6, 1993)
	Ten Dijke et al., <i>EMBL Sequence Database, European Molecular Biology Laboratory (Basel, CH)</i> , Accession No. Z22535 (1993)
	Ten Dijke et al., <i>EMBL Sequence Database, European Molecular Biology Laboratory (Basel, CH)</i> , Accession No. Z22536 (1993)
	Thies et al., <i>J. Bone Min. Res.</i> , 5:305 (1990)
	Thies et al., <i>Endocrinol.</i> , 130:1318-1324 (1992)
	Thomsen et al., <i>Trends in Genetics</i> , 13:209-211 (1997)
	Thomsen et al., <i>Cell</i> , 74:433-441 (1993)
	Tona et al., <i>J. Histochem. Cytochem.</i> , 41:591-599 (1993)
	Toriumi et al., <i>Arch. Otolaryngol. Head Neck Surg.</i> , 117:1101-1112 (1991)
	Tsuchida et al., <i>PNAS</i> , 90:11242-11246 (1993)
	Tsukazaki et al., <i>Calcif. Tissue Int.</i> , 57:196-200 (1995)
	Tuszynski, <i>Cell Transplantation</i> , 9:629-636 (2000)
	Ueno et al., <i>PNAS</i> , 84:8282-8286 (1987)
	Ulrich et al., <i>EMBO J.</i> , 3:361-364 (1984)
	Urdal et al., <i>PNAS</i> , 81:6481-6485 (1984)
	Urist et al., <i>Fed. Proceed., Bethesda, MD, US</i> , 3:746 (1985)
	Urist et al., <i>PNAS</i> , 81:371-375 (1984)
	Urist et al., <i>Clin. Orthopaed. and Related Res.</i> , 187: 277-280 (1984)
	Urist et al., <i>Proc. Soc. Exper. Biol. &amp; Med.</i> , 2:194 (1983)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

17

of

18

**Complete if Known**

<i>Application Number</i>	10/779,638
<i>Filing Date</i>	February 18, 2004
<i>First Named Inventor</i>	Zhang
<i>Art Unit</i>	1615
<i>Examiner Name</i>	Not yet assigned
<i>Attorney Docket Number</i>	08702.0068-01000

**NON PATENT LITERATURE DOCUMENTS**

	Urist et al., <i>Science</i> , 220:680-686 (1983)
	Urist et al., <i>PNAS</i> , 70:3511 (1973)
	Urist et al., <i>Clin. Orthoped. Rel. Res.</i> , 214:295-304 (1986)
	Urlaub et al., <i>PNAS</i> , 77:4216-20 (1980)
	Vukicevic et al. <i>PNAS</i> , 93:9021-6 (1996)
	Wall et al., <i>J. Cell Biol.</i> , 120:493-502 (1993)
	Wang et al., <i>Cell</i> , 67:797-805 (1991)
	Wang et al., <i>J. Cell Biochem.</i> , Suppl. 15, Part E, p.161, Abstract Q020 (1991)
	Wang et al., <i>PNAS</i> , 87:2220-2224 (1990)
	Wang et al., <i>PNAS</i> , 85:9484-9488 (1988)
	Wang, E.A., <i>Trends in Biotech.</i> , 11:379-383 (1993)
	Wang et al., <i>Cell</i> , 88:757-766 (1997)
	Wang et al., <i>Stroke</i> , 32:2170-2178 (2001)
	Weeks et al., <i>Cell</i> , 51:861-867 (1987)
	Wells, <i>Biochemistry</i> , 29:8509-8517 (1990)
	Wharton et al., <i>PNAS</i> , 88:9214-9218 (1991)
	Wolpe et al., <i>FASEB J.</i> , 3:2565-2573 (1989)
	Wolpe et al., <i>J. Biochem. Suppl. O</i> , Abstract H141, 13 Part C:21 (1989)
	Wolpe et al., <i>J. Exp. Med.</i> , 167:570 (1988)
	Wong et al., <i>Science</i> , 228:810-815 (1985)
	Woo et al., <i>PNAS</i> , 75:3688-3691 (1978)
	Wood et al., <i>PNAS</i> , 82:1585-1588 (1985)
	Wozney et al., <i>J. Cell Sci.</i> , Suppl. 13:149-156 (1990)
	Wozney, <i>Mol. Reproduction &amp; Develop.</i> , 32:160-167 (1992)
	Wozney et al., <i>Science</i> , 242:1528-1534 (1988)
	Wozney, J.M., <i>Prog. Growth Factor Res.</i> , 1:267-280 (1989)
	Wozney et al., <i>Handbook of Exp. Pharm.</i> , eds., G.R. Mundy and T.J. Martin; Springer-Verlag, Berlin, Chapter 20, 107:725-748 (1993)
	Wozney, <i>Cell. &amp; Mol. Biol. Bone</i> , pp.131-167 (1993) (Academic Press, Inc.)
	Wozney et al., <i>J. Cell Biochem.</i> , Suppl. 16F:76 Abstract (1992)
	Wozney Spine, 27:S2-S8 (2002)
	Wright et al., <i>Leukemia Res.</i> , 4:537 (1980)
	Wright et al., <i>Cell Tissue Kinet.</i> , 18:193 (1985)
	Xu et al., <i>Proc Natl Acad Sci USA</i> , 91:7957-61 (1994)
	Yamaguchi et al., <i>Nippon Rinsho</i> , 50:1932-1938 (1992)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	18	of	18	<i>Complete if Known</i>
				<i>Application Number</i> 10/779,638
				<i>Filing Date</i> February 18, 2004
				<i>First Named Inventor</i> Zhang
				<i>Art Unit</i> 1615
				<i>Examiner Name</i> Not yet assigned
				<i>Attorney Docket Number</i> 08702.0068-01000

**NON PATENT LITERATURE DOCUMENTS**

	Yamaji et al., <i>Biochem. Biophys. Res. Comm.</i> , 205:1944-1951 (1994)	
	Zipfel et al., <i>J. Immunol.</i> , 142:1582 (1989)	
	Zheng et al., <i>Path. Res. Pract.</i> , 188:1104-1121 (1992)	
	Zhou et al., <i>Nature</i> , 361:543-547 (1993)	

Examiner Signature	Date Considered
--------------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**CERTIFICATE UNDER 37 CFR § 1.10 OF  
MAILING BY "EXPRESS MAIL"**



**EV 446802772 US**

**EV 446802786 US**

**EV 446802790 US**

---

USPS Express Mail Label Number

---

March 28, 2005

Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By:

  
Kathleen M. Bastarache

PTO Notes regarding this form:

<sup>1</sup> Applicant's unique citation designation number (optional).

<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**